CURRICULUM VITAE

NAME: PRESENT POSITION:		Eui-Cheol Shin, M.D., Ph.D. Associate Professor,
CONTACT INFORMATION:		Graduate School of Medical Science & Engineering, KAIST 291 Daehak-ro, KAIST Biomedical Research Center, #4109 Daejeon 34141, Republic of Korea
EDUCATION:		
	1990-1996:	M.D., Yonsei University College of Medicine, Seoul, Korea
	1996-2001:	Ph.D. (in Microbiology & Immunology),
		Yonsei University College of Medicine, Seoul, Korea
CAREER:		
	1999-2002:	Medical Scientist, Department of Microbiology,
		The Armed Forces Medical Research Institute, Daejeon, Korea,
		(Mandatory military service)
	2002-2007:	Research Fellow, Immunology Section, Liver Diseases Branch, National
		Institute of Diabetes and Digestive and Kidney Diseases (NIDDK),
		National Institutes of Health (NIH), Bethesda, MD, USA
		(Advisor: Barbara Rehermann, M.D.)
	2007-2013:	Assistant Professor, Graduate School of Medical Science and
		Engineering, KAIST, Daejeon, Korea
	2013-present:	Associate Professor, Graduate School of Medical Science and
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ACTIVITIES:		
//011/11	2011-2012:	Chairman, Vaccine Interest Group,
	2011 2012.	The Korean Association of Immunologists, Korea
	2014-present:	Academic Committee Chair,
	zori presenti	The Korean Vaccine Society
	2012-present:	Editorial Board, <i>Clinical and Experimental Medicine</i>
	2012 present: 2013-present:	Deputy Editor, Immune Network
	2013 present: 2007-present:	Ad Hoc Reviewer, Journal of Infectious Diseases, Gastroenterology,
	2007-present.	International Immunology, Vaccine, Future Microbiology, Virology
		Journal, PLoS One, Journal of Virology etc
		Sournal, FLOS One, Sournal of Virology etc
Society Membership: The Korean Association of Immunologists		
SOCIET	I MEMBERSHIP.	The Korean Vaccine Society
		The American Association of Immunologists
		The American Association for the Study of Liver Diseases
		The American Association for the Study of Liver Diseases
Research Interests:		Hepatitis Viruses,
		Viral Immunology,
		Virus-Host Interaction,
		Human Immunology
		numan minunology

PUBLICATIONS (SELECTED FROM RECENT 5-YEARS):

1. Shin EC, Park SH, DeMino M, Nascimbeni M, Mihalik K, Major M, Veerapu NS, Heller T,

Feinstone SM, Rice CM, Rehermann B. Delayed induction, not impaired recruitment, of specific CD8+ T cells causes the late onset of acute hepatitis C. *Gastroenterology* 141:686-695, 2011

- Lee DH, Kim SH, Kang W, Choi YS, Lee SH, Lee SR, You S, Lee HK, Chang KT, <u>Shin EC</u>. Adjuvant effect of bacterial outer membrane vesicles with penta-acylated lipopolysaccharide on antigen-specific T cell priming. *Vaccine* 29:8293-8301, 2011
- Park J, Kang W, Ryu SW, Kim WI, Chang DY, Lee DH, Park DY, Choi YH, Choi K, <u>Shin EC</u>, Choi C. Hepatitis C virus infection enhances tumor necrosis factor-α-induced cell death via suppression of nuclear factor-κB. *Hepatology* 56:831-840, 2012
- Park SH, <u>Shin EC</u>, Capone S, Caggiari L, De Re V, Nicosia A, Folgori A, Rehermann B. Successful vaccination induces multifunctional memory T cell precursors associated with early hepatitis C virus control. *Gastroenterology* 143:1048-1060, 2012
- Shin EC, Park SH, Nascimbeni M, Major M, Caggiari L, de Re V, Feinstone SM, Rice CM, Rehermann B. The frequency of CD127⁺ hepatitis C virus (HCV)-specific T cells but not the expression of exhaustion markers predict the outcome of acute HCV infection. *J Virol* 87:4772-4777, 2013
- Choi YS, Lee JE, Nam SJ, Park JT, Kim HS, Choi KH, Kim BS, <u>Shin EC</u>. Two distinct functional patterns of hepatitis C virus (HCV)-specific T cell responses in seronegative, aviremic patients. *Plos One* 8:e62319, 2013
- Hong S, Lee HW, Chang DY, You S, Kim J, Park JY, Ahn SH, Yong D, Han KH, Yoo OJ, <u>Shin</u> <u>EC</u>. Antibody-secreting cells with a phenotype of Ki-67^{low}, CD138^{high}, CD31^{high}, and CD38^{high} secrete nonspecific IgM during primary hepatitis A virus infection. *J Immunol* 191:127-134, 2013
- Jang YS, Kang W, Chang DY, Sung PS, Park BC, Yoo SH, Park YW, <u>Shin EC</u>. CD27 engagement by a soluble CD70 protein enhances non-cytolytic antiviral activity of CD56^{bright} natural killer cells by IFN-γ secretion. *Clin Immunol* 149:379-387, 2013
- Kang W, Sung PS, Park SH, Yoon S, Chang DY, Kim S, Han KH, Kim JK, Rehermann B, Chwae YJ, <u>Shin EC</u>. Hepatitis C virus attenuates interferon-induced MHC class I expression and decreases CD8⁺ T cell effector functions. *Gastroenterology* 146:1351-1360, 2014
- 10. Sung PS, Racanelli V, <u>Shin EC</u>. CD8⁺ T-cell responses in acute hepatitis C virus infection. *Front Immunol* 5:266, 2014
- 11. Sung PS, Murayama A, Kang W, Kim MS, Yoon SK, Fukasawa M, Kondoh M, Kim JS, Kim H, Kato T, **Shin EC**. Hepatitis C virus entry is impaired by claudin-1 downregulation in diacylglycerol acyltransferase-1-deficient cells. *J Virol* 88:9233-9244, 2014
- Chang DY, Song SH, You S, Lee J, Kim J, Racanelli V, Son H, <u>Shin EC</u>. Programmed death-1 (PD-1)-dependent functional impairment of CD4⁺ T cells in recurrent genital papilloma. *Clin Exp Med* 14:305-313, 2014
- Yu HT, Youn JC, Lee J, Park S, Chi HS, Lee J, Choi C, Park S, Choi D, Ha JW, <u>Shin EC</u>. Characterization of CD8⁺CD57⁺ T cells in patients with acute myocardial infarction. *Cell Mol Immunol* 12:466-473, 2015
- 14. Choi YS, Lee J, Lee HW, Chang DY, Sung PS, Jung MK, Park JY, Kim JK, Lee JI, Park H, Cheong JY, Suh KS, Kim HJ, Lee JS, Kim KA, **Shin EC**. Liver injury in acute hepatitis A is associated with decreased frequency of regulatory T cells caused by Fas-mediated apoptosis. *Gut* 64:1303-1313, 2015
- 15. Sung PS, Cheon HJ, Cho CH, Hong SH, Park DY, Seo HI, Park SH, Yoon SK, Stark GR, **Shin EC**. Roles of unphosphorylated-ISGF3 in HCV infection and interferon responsiveness. *Proc*

Natl Acad Sci USA 112:10443-10448, 2015

- 16. Kim JH, Choi YJ, Lee BH, Song MY, Ban CY, Kim J, Park J, Kim SE, Kim TG, Park SH, Kim HP, Sung YC, Kim SC, <u>Shin EC</u>. Programmed cell death-ligand 1 alleviates psoriatic inflammation by suppressing IL-17A production from PD-1^{hi} T cells. *J Allergy Clin Immunol* 2016 Epub ahead of print
- Kim N, Kim MJ, Sung PS, Bae YC, <u>Shin EC</u>, Yoo JY. Interferon-inducible protein SCOTIN interferes with HCV replication through the autolysosomal degradation of NS5A. *Nat Commun* 7:10631, 2016
- 18. <u>Shin EC</u>, Sung PS, Park SH. Immune responses and immunopathology in acute and chronic viral hepatitis. *Nat Rev Immunol* (invited and currently under review)